

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 4    | ((("5247398") or ("5162678")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/14 10:31 |
| L2    | 111  | ((variable near3 gain) with exponent\$5) and (control near voltage)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L3    | 222  | ((variable near3 gain) with exponent\$5)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L4    | 2    | ((variable near3 gain) with exponent\$5) and (voltage near gain) and (independent with thermal)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L5    | 2    | ((variable near3 gain) same exponent\$5) and (voltage near gain) and (independent with thermal)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L6    | 81   | ((variable near3 gain) with exponent\$5) and (control near2 voltage\$1) and (voltage near2 gain)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L7    | 6    | (variable near3 gain) and (control near2 voltage\$1) and ((voltage near2 gain) with exponent\$ with inver\$6) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L8    | 11   | (variable near3 gain) and (control near2 voltage\$1) and ((voltage near2 gain) same exponent\$ same inver\$6) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |
| L9    | 5    | L8 not L7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/02/14 10:32 |

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| L10 | 18  | (variable near3 gain) and (control near2 voltage\$1) and ((voltage near2 gain) with exponent\$) and (independent with temperature\$1)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L11 | 2   | "20050073362".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L12 | 0   | "330"/\$.ccls. and ((operation near2 amplifier) with current mirror) and (voltage near2 temprature) and (reference near2 voltage)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L13 | 348 | "330"/\$.ccls. and ((operation near2 amplifier) with current mirror) and (voltage near2 temperature\$1) and (reference near2 voltage)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L14 | 5   | "330"/\$.ccls. and ((operation near2 amplifier) with feedback with resist\$6) and (voltage near2 temperature\$1) and (reference near2 voltage) and (current near mirror) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L15 | 126 | (proportion with voltage with amplifier) and (current near mirror) and (voltage near reference\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L16 | 14  | (proportion with voltage with amplifier) and (current near mirror) and (voltage near reference\$1) and exponential   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L17 | 71  | (temperature with voltage with amplifier) and (current near mirror) and (voltage near reference\$1) and exponential  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L18 | 0   | 330/254,256,260.ccls and ((variable near3 gain) with exponent\$5) and (control near voltage) and temperature   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L19 | 27  | 330/254,256,260.ccls. and ((variable near3 gain) with exponent\$5) and (control near voltage) and temperature  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |

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| L20 | 27   | 330/250,254,256,260.ccls. and ((variable near3 gain) with exponent\$5) and (control near voltage) and temperature        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L21 | 41   | "330"/\$.ccls. and ((variable near3 gain) with exponent\$5) and (control near voltage) and temperature                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L22 | 1376 | (voltage near temperature\$1) and (current near mirror) and (voltage near referen\$5)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L23 | 131  | "330"/\$.ccls. and (voltage near temperature\$1) and (current near mirror) and (voltage near referen\$5)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L24 | 11   | "330"/\$.ccls. and (voltage near temperature\$1) and (current near mirror) and (voltage near referen\$5) and vt          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L25 | 8    | "330"/\$.ccls. and (voltage near temperature\$1) and (current near mirror) and (voltage near referen\$5) and exponent\$7 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L26 | 338  | "330"/\$.ccls. and (voltage near3 temperature\$1 or thermal) with reference near voltage                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L27 | 324  | "330"/\$.ccls. and ((voltage near3 (temperature\$1 or thermal)) with reference near voltage)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L28 | 17   | "330"/\$.ccls. and ((voltage near3 thermal) with reference near voltage)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L29 | 17   | "330"/\$.ccls. and ((voltage near3 thermal) with (reference near voltage))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |

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|     |     |   |   |    |     |                  |
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| L30 | 62  | "327"/\$.ccls. and ((voltage near3 thermal) with (reference near voltage))                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/02/14 10:32 |
| L31 | 117 | (voltage near3 thermal) same (reference near voltage) same (output near voltage)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/02/14 10:32 |
| L32 | 16  | (reference near voltage) and ((output near voltage) with proportion\$3 with (thermal near voltage)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/02/14 10:32 |
| L33 | 70  | (thermal or temperature) near2 amplifier.ti. and (reference near voltage)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/14 10:32 |
| L34 | 6   | (generat\$3 with (output near voltage) with proportion\$3 with (thermal near voltage))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/14 10:32 |
| L35 | 22  | (generat\$3 with (output near voltage) with (thermal near voltage))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/14 10:32 |
| L36 | 22  | (generat\$3 with (output near voltage) with (thermal near voltage))L35 not L34                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/14 10:32 |
| L37 | 16  | L35 not L34   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L38 | 0   | "330"/\$.ccls. and (current near mirror) and (amplifier with resistor with feedback)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |

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| L39 | 513 | "330"/\$.ccls. and (current near mirror) and (amplifier with resistor with feedback) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |
| L40 | 2   | ("5030924").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/14 10:32 |

|    | Hits | Search Text   | DBs   | Time Stamp       |
|----|------|---|---|------------------|
| 41 | 0    | (proportion with thermal with voltage with amplifier) and (current near mirror) and (voltage near reference\$1) and (difference with voltage) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2006/02/14 10:54 |
| 42 | 8    | (proportion with thermal with voltage ) and (current near mirror) and (voltage near reference\$1) and (difference with voltage)               | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2006/02/14 10:54 |